

Industry 4.0 driven Climate-Smart Agriculture: Challenges and Opportunities for Developing Countries

Wednesday, 24th August 2022 14:00 - 16:00 hrs PST (GMT+5)



A divergence between two pillars of sustainable development - economic growth and environment, has emerged as a result of the acceleration, evolution, and intertwining of globalisation, technological advancement, and rapid resource depletion. This has made it more difficult for developing countries to attain socio-economic progress socioeconomically. Many developing countries share similar priorities and challenges towards achieving the SDGs and address climate change, however, less is known about the various contexts and devising strategies in which governments will have to negotiate measures, actions, conflicts, and synergies necessary to implement the global goals.

Expert and policy circles are becoming more aware of the two-fold relationship between agriculture and climate change and seeking to build more climate resilient agricultural systems that are in line with achieving the SDGs. The emerging concepts and applications of industry 4.0 offer promising opportunities to make agriculture sector innovative and self-reliant with intelligent, connected, enhanced and decentralized production.

In line with its mandate to interact with multi-stakeholders to promote relevant synergies among COMSATS member countries in attaining both development and climate goals, COMSATS Centre for Climate and Sustainability (CCCS) is organizing a webinar on 'Industry 4.0- driven Climate-Smart Agriculture: Challenges and Opportunities for Developing Countries'. The webinar aims to provide a platform to discuss the potential of Industry 4.0 in developing innovative agricultural approaches that can help mitigate emissions, increase resilience and adaptation, and enhance productivity.

OBJECTIVES

- 1) To highlight the importance of industry 4.0 tools in agriculture sector compatible in terms of economic, social, and environmental sustainability;
- 2) To promote exchange of institutional experiences, best practices and challenges faced by organizations engaged in climate smart agriculture;
- 3) To recommend means for mainstreaming industry 4.0 to scale up climate-smart-agriculture towards through South-South cooperation.

FORMAT

The webinar would feature a series of talks/ presentations pertinent to the theme, followed by a discussion session.

WHO SHOULD ATTEND?

- Scientists, agronomist, agro-industry personnel, climate change experts, meteorologists, technologists, farmers community;
- Academicians, startups, entrepreneurs, economists, sustainable development practitioners, media and civil society; and
- Representatives of government, UN agencies, international technical/development cooperation agencies, NGOs and academic institutions.

Virtual Platforms

Zoom Registration for Participation:
<https://tinyurl.com/SmartAgri4>

Live streaming on our Youtube Channel:
<https://www.youtube.com/COMSATSSecretariat>

For further information, please contact:

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Webinar on

Industry 4.0 driven Climate-Smart Agriculture: Challenges and Opportunities for Developing Countries



Wednesday, 24th August 2022

09:00 - 11:00 hrs (GMT) / 14:00 - 16:00 hrs (PST)

Zoom Registration for Participation: <https://tinyurl.com/SmartAgri4>

SPEAKERS

- ▶ Dr. Aly Abousabaa,
Director General, International Center for
Agricultural Research in the Dry Areas
(ICARDA), Lebanon;
- ▶ Dr. Ismail AbdelHamid,
Director programs and project office, Islamic
Organization for Food Security (IOFS),
Kazakhstan;
- ▶ Dr. Zitouni Ould-Dada,
Deputy Director, Climate and Environment
Division, Food and Agriculture Organization of
the United Nations (FAO), Italy;
- ▶ Dr. Stephen Yeboah,
Senior Research Scientist (Agroecology/
Agronomy), Crops Research Institute, Council
for Scientific and Industrial Research (CSIR),
Ghana;
- ▶ Dr. Maram Jameel Abbady,
Climate Change Specialist and Drought
Monitoring Researcher, National Agricultural
Research Council, Jordan;
- ▶ Mr. Arif Goheer,
Head of Agricultural Section, Global Change
Impact Studies Centre, Pakistan.



The Commission on Science & Technology for Sustainable Development in the South (COMSATS) is an inter-governmental organization of developing countries to promote science and technology for the economic and social development of the Global South. Cognizant of the causal relationship between sustainable development and climate change, COMSATS established a virtual and physical network of centres, institutions and organizations, COMSATS Centre for Climate & Sustainability (CCCS) in 2019. CCCS is bringing together institutions from the Global South based on the concept of 4 Cs: connectivity, communication, coordination and collaboration to promote climate resilience and sustainable development. CCCS works under COMSATS framework of South-South & Triangular Cooperation to promote, coordinate and facilitate South-South & Triangular Cooperation with regard to climate action and other related Sustainable Development Goals in line with the policies and prevalent practices of developing countries and their international obligations.